

Buy a new Case farm tractor now...

Case will waive all finance charges for 11 months from your date of purchase on any new Case farm tractor purchased between September 1 and October 31, 1981.



OR choose a Case cash rebate...

If you would rather have a cash rebate and you buy any of the new Case farm tractors listed on the chart... between September 1 and October 31, 1981... Case will send you a check for the dollar amount shown on the chart for the model you buy. Rebate may be applied toward your down payment. NOTE: Government Agencies/Departments do not qualify for rebates.

Eligible Model	Cash Rebate
1190, 1290, 1390, 1490, 1690	\$1700
2090, 2290	\$3500
2390, 2590	\$4500
4490, 4690, 4890	\$7000

#### Waiver of finance charges on used farm tractors.

Buy a used farm tractor, any make, from a participating Case dealer, between September 1 and October 31, 1981... finance it through J I Case Credit Corporation... and finance charges will be waived date of purchase until March 1, 1982.

#### J I Case

A Tenneco Company  
Agricultural Equipment Division  
700 State Street, Racine, WI 53404 U.S.A.

See your Case dealer / make your choice / get a Case



## Comments

American consumers are awestruck by a wave of anti-beef, anti-meat news that amounts to a massive attempt at re-development of animal agriculture assets. Unlike other manias of the past, particularly the low-cholesterol craze of the 1970s, the present surge of publicity is far more disturbing.

The initial turmoil from the Anotrella meat impoundment has died down, but consumer distrust for the meat industry will linger long after buyers of the meat case have forgotten what country's beef couldn't be trusted.

Morover, because USDA is species testing a much larger portion of imported beef as it enters the U.S., the entire importing process will be slowed and importers will be strapped with additional storage and interest charges. One importer estimated charges at \$60 per head per day. These charges will eventually be passed along the meat chain to the consumer.

In principle, such a development should encourage domestic beef sales. Without a strong campaign for domestic beef—such as the dairy industry's real seal program—the Australian horse and kangaroo meat scandal will more likely translate into increased poultry, fish and pork sales in grocery supermarkets.

If the Australian meat scandal has the U.S. beef industry floundering uncomfortably, the September issue of Reader's Digest should add enough editorial typos to wipe out meat as a way of life. In a major article, the world's most read magazine with over 31 million copies printed each month in 16 languages, makes the slaughter of animals for food sound worse than the Vietnam War.

Concludes that Reader's Digest article: "Even if you've not interested in becoming a vegetarian, there's no reason why you should have animal protein at every meal, or even every day."

The article is a textbook illustration of the folly of letting pressure groups—no matter how well intentioned—gain control of public opinion. As one stockman explained to us the other day, "The anti-meat people have a gun to our heads and brought us to our knees. But it remains to be seen whether or not the cattle industry will do anything about it."

## Genetic process to affect beef industry

By CAROLYN J. HURST

The impact of a recent breakthrough by an Ohio University molecular geneticist may be felt by the beef industry in as short a time as two to five years. Dr. Thomas Wagner, who recently reported the first successful gene transfer from one animal species to another, is currently working with Genetic Engineering Inc. of Denver to coordinate research and development of the technique for use in livestock.

"What we're doing now is laying the groundwork in cattle embryology so that we can use this (gene transfer) routinely," Wagner told WLJ in a recent telephone interview.

Wagner's breakthrough came when he successfully transferred the gene that directs hemoglobin produc-

tion from a rabbit to a mouse. Of 312 mouse embryos injected with the rabbit genes, 211 survived and were transferred into female mice. The surrogate mothers produced 46 offspring; five of which contained rabbit hemoglobin protein in their red blood cells.

Genetic Engineering, which has exclusive rights to use the technique, is a public company which specializes in the improvement of animals for increased meat and milk production. Wagner will spend the next year with the company.

Wagner told WLJ there are two approaches for utilizing the gene transfer technique in livestock. The first, what he termed as a long-range application, in-

(Continued on page 6)

## WESTERN LIVESTOCK JOURNAL

News • Trends • Sales • Shows • Markets

September 14, 1981

Central Edition

Vol. 60, No. 46

## USDA to evaluate need for quality control in meat labels

USDA plans to evaluate whether approved quality control programs are necessary to document nutritional claims made on labels of meat products such as cooked sausages, according to a Meat and Poultry Inspection bulletin.

Reports CNS, the bulletin said the approval process for new nutrition

labels for such products will include an evaluation of the need for a formal quality control program. USDA also will review nutrition labels that have already been approved to determine if a formal program is necessary.

USDA said the determination of whether a quality control program is necessary for products

marketed with nutrition labeling will be dependent on the nature of the nutritional claims made by the labels.

It said experience with nutrition labeling and the quality control programs now required for products using such labeling has shown that quality control program requirements could be relaxed in some instances.

## Nixon gives USDA details of beef exports

Australian Minister for Primary Industry Peter Nixon recently gave USDA details of Australia's proposed species testing program for beef exports to the U.S., reports Unicom News.

The plan calls for registered export establishments to be divided into three risk categories, with appropriate export stamps for each category as follows:

• Where product is produced under full-time inspection supervision but where there are leased boning rooms in the establishment, samples from 10 cartons per week on a random basis.

• Where product is produced under full-time inspection supervision but where there are leased boning rooms in the establishment, samples from 10 cartons per week from each operator will be taken on a random basis.

been transferred from either an abattoir or a boning room and stored elsewhere before containerization, samples of 10 cartons from each container of about 600 cartons will be taken.

Nixon also said the 742 spot tests of beef conducted in all Australian states by the Bureau of Animal Health up to Sept. 8 had tested positive for beef and that horse meat and kangaroo meat have been found in shipments from only two labels, ProFreeze and Jason Meats.

He said the Australian government is continuing to negotiate with USDA for the early release of the 12.54 million lb. of beef from the state of Victoria still impounded in the U.S.

Nixon said there had been no complaints from the U.S. government on Australia's handling of the scandal.

Nixon has announced the government will establish a Royal Commission to investigate the scandal.

In a wide-ranging address on the scandal to Parliament in Canberra, Nixon said the inquiry would look into allegations that people in official positions were involved in the malpractice and also would probe meat substitution in exports from the state of Victoria.

The Opposition Labor Party leader, Bill Hayden, quickly endorsed the Royal Commission.

Nixon said the government had sent telegrams to all state premiers asking their cooperation in the inquiry, and Victoria had agreed to cooperate.

In addition, Nixon said, the government would hire an independent consultant to conduct a comprehensive review on the effectiveness of the proposed new export inspection system. Nixon said he hopes the consultant will report within two months.

He said the consultant

## Block says Congress will pass farm proposal

U.S. Agriculture Secretary John Block again has predicted that Congress will pass a farm bill "substantially" in line with the Reagan administration's free-market proposals.

Scheduled to appear Sunday on the nationally televised public affairs program "It's Your Business," said Block in an advance release that by moving in a more free-market direction as quickly as possible in farm legislation, the administration believes it can provide "a climate for improved profitability in agriculture."

Reel farm income this year is projected at the lowest levels since the depression. Current USDA projections put net farm income at \$20 to \$24 billion—only a modest increase from the 1980 figure of 20 billion.

Block reiterated the administration's opposition to the inclusion of target prices in the new farm legislation,

which is expected to be debated by the Senate in September. The House and Senate agriculture committee farm bill proposals maintain the target price concept, and efforts by the administration to reduce or cut the target price levels have been received coolly by Congress.

The Reagan administration already is facing the possibility of large deficiency payments on the 1981-82 U.S. wheat, cotton and rice crops.

## Tuberculosis hits Ark. cattle herd

A breeding herd of 584 beef cattle in Dins, Ark., was destroyed because of bovine tuberculosis after a federal meat inspector found the disease in meat at a packing plant in Miesle, Ark. and traced the meat to the herd, USDA said recently.

The J. Wilman Corp., which owned the herd, consented to its destruction after several animals in the herd showed positive results to tuberculin tests, USDA said. The owners will receive federal and state indemnities of \$154,008 to help compensate for the loss.

Australian Federal Police have charged a 35-year-old company director with 21 counts of forgery in connection with the growing meat scandal.

The man's name was not released, but he was described by police as a 35-year-old company director and former meat retailer and wholesaler. He is the first person to be charged in the scandal which has rocked Australia's billion dollar meat export industry.

Officials said the man was charged with 20 counts of forging documents usable or deliverable to a commonwealth department and one count of forging official seals or stamps.

Recently, a 54-year-old

(Continued on page 6)

NEWSPAPER (priority handling)

CENTRAL EDITION

NEWSPAPER (priority handling)







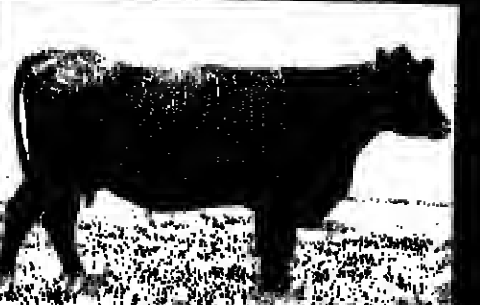
# FRITSCH "National Champions" Red Angus SALE



"ECLIPSE 5L" National 1979 Calf Champion, 1981 Junior Champion—A Major Service Sire (selling 1/3 breeding interest)



"HIGH RISE 2430" National 1981 Reserve Champion Bull (selling 1/3 interest in full possession)



"RED GIRL 735" National 1979 Grand Champion Female (selling 1/3 interest in full possession)



"ECLIPSE 5L" National 1979 Calf Champion, 1981 Junior Champion—A Major Service Sire (selling 1/3 breeding interest)



"ECLIPSE 5L" National 1979 Calf Champion, 1981 Junior Champion—A Major Service Sire (selling 1/3 breeding interest)

**MONDAY, Oct. 5th—170 Lots—240 Head**

**5 Herd Bulls, 8 Yearling Bulls, 45 Bred Heifers, 65 Two-Year Olds, 45 Cows and Calves**

**A Major Herd Reduction! Every Animal Goes Through the Ring;—The Only Animals Retained will be Paired in Ring with Buyer Taking Choice!**

## THESE "NATIONAL CHAMPIONS" SELL

- \* NATIONAL 1979 Calf Champion and 1981 Junior Champion Bull—"ECLIPSE 5L" (1/3 breeding interest)
- \* NATIONAL 1981 Reserve Grand Champion Bull—"HIGH RISE 2430" (1/3 interest and full possession)
- \* NATIONAL 1981 Reserve Senior Champion Female—"SUSIE 9983"
- \* NATIONAL 1978 Grand Champion Female—"RED GIRL 735"
- \* NATIONAL 1979 Reserve Grand Champion Female—"BRANDINA 835"

**AVERAGING ONLY 2.7 YEARS OF AGE, This Offering Includes Many Daughters of these NATIONAL CHAMPIONS**

- \* NATIONAL 1975-76 Grand Champion Bull—"UMPIRE 1000"
- \* NATIONAL 1976 Reserve Grand Champion Bull—"CHINOOK 605"
- \* NATIONAL 1978 Grand Champion Bull—"FULL POWER 1843"
- \* NATIONAL 1978 Reserve Grand Champion Bull—"BIG STEP 1375"
- \* NATIONAL 1978 Reserve Senior Champion Bull—"CHINOOK 1421"

Also included are daughters of NATIONAL Western Champion, "ANKONIAN DYNAMO," the National Sire Evaluation Reference Sire, "PBC H3554" and the Sire of National Champion, "DYNAMO 614"

This "NATIONAL CHAMPIONS" OFFERING INCLUDES THE NATIONALLY RECOGNIZED COWS RETAINED FROM THE PAIRINGS IN LAST YEAR'S "SHARING THE GENETICS SALE," This Year's Nation Show String and Your Pick of this Year's Calf Crop, POTENTIAL NATIONAL CHAMPIONS OF THE FUTURE!

## General Information

Sale Location: FRITSCH FARMS, 1712 Crystal Lake Road, McHenry, IL 60050

Sale Time: Monday, Oct. 5—11 AM

Fritsch Credit Plan available upon prior approval. 10% DISCOUNT to all Junior American Red Angus Members

Sale Phone: 815/344-5785 and 344-1024

Sale Headquarters: Martinelli's Motel, 6305 N.W. Hwy.—U.S. 14, Crystal Lake, IL 60014, 815/459-8130. Ask for Fritsch Farms Reservations—(5 Miles from Sale)

Pre-Sale Social Get-together: Sunday, Oct. 4—7 PM at Fritsch Farms

Transportation: Sale is only 45 miles from Chicago International O'Hare Airport. Planes can be met upon prior request.

Local Airports for Private Planes include:

Crystal Lake Airport, (5 Miles) 815/459-0151

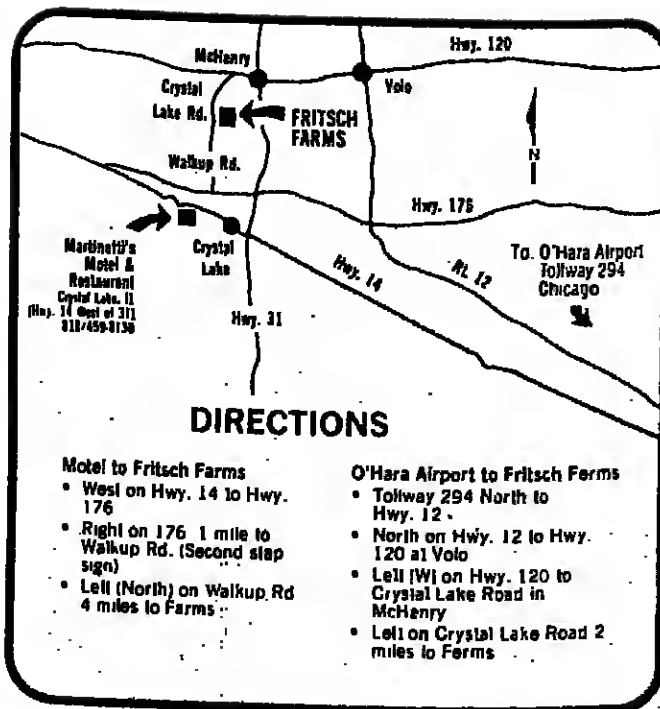
Elgin Airport, 312/741-5182 (15 Miles)

Palwaukee Airport, 312/537-1200 (35 Miles)

Sale Manager: James H. Leachman "The Red Connection," 3135 Sycamore Lane, Billings, Montana 59102—406/656-8583

Auctioneer: Curt Rodgers, Pella City, Missouri

For Complete Information call Jim Finch, Gen. Mgr. 815/344-5785



## DIRECTIONS

Motel to Fritsch Farms

- West on Hwy. 14 to Hwy. 176
- Right on 176 1 mile to Walkup Rd. (Second stop sign)
- Left (North) on Walkup Rd 4 miles to Farms

O'Hare Airport to Fritsch Farms

- Tollway 294 North to Hwy. 12
- North on Hwy. 12 to Hwy. 120 at Volo
- Left (W) on Hwy. 120 to Crystal Lake Road in McHenry
- Left on Crystal Lake Road 2 miles to Farms

## Genetic process to affect beef industry

(Continued from page 1) involves transferring the genes which code for a specific trait from one animal to another—even one species to another, as was the case in his experiment involving mice and rabbits. "You can only deal with traits that are coded for by specific genes," said Wagner, "and not many are known in cattle at this time."

The most immediate application, Wagner feels, is in the area of hormone production. "There are a lot of companies spending a lot of money to produce hormones that will stimulate milk and meat production." The problem with current techniques, Wagner continued, is that they are very complex and therefore costly. Wagner

explained the gene transfer technique involves introducing the gene which stimulates production of a desired hormone directly into the animal—"direct genetic delivery of an artificial time switch," he said.

"It's important to realize that there's a lot of work to be done," said Wagner. "I think what is needed in the U.S. and worldwide is to enhance the efficiency of animals. That's the kind of goal we're talking about. Hormones increase the physiological efficiency of animals and hopefully (through gene transfer techniques), we'll be able to raise animals with the capability to convert low grade feed into high grade beef and milk."

## Nixon gives USDA details of exports

(Continued from page 1) former boner with a South Australian export company told the national daily "The Australian" he had been offered \$4,500, a new car and shares in the company to "keep his mouth shut" when he threatened to tell government authorities about substandard beef and mutton being sold to foreign markets. He alleged meat which was rejected by meat inspectors at abattoirs was smuggled into the cargo market for export within hours of rejection.

In Perth, West Australia, a member of the Australian Meat Industry Employees' Union said he had been told on three occasions to "tone it down because they didn't want unfavorable publicity" when he complained to

Department of Primary Industry officials of meat substitution.

He told the newspaper as far as he knew there was now no substitution of beef in Western Australia, "but substitution has been going on for at least five years, and the Department knew about it."

NUTRITION—Joseph M. Harris, Ph.D., joined the V.M.S., Inc. nutrition staff recently. Dr. Harris received his degrees from the University of Florida in animal science and microbiology.



MANAGER—Douglas J. "Jack" Weeli has been named general manager of the Lovana Farms, Columbus, Miss. unit. Weeli, former managing partner of Black Belt Angus, joined the Lovana staff in July. The Columbus unit will be the main principle for Lovana's Brangus operations.

## Assn. plans fall membership drive

Plans for a fall membership drive by the Nebraska Stock Growers Assn.'s Membership/Revenue Committee are currently underway, according to a spokesman for the cattle organization.

The drive is an effort to sign up joint memberships in the Stock Growers organization and the National Cattlemen's Assn. for the 1982 dues year.

New members will pay a reduced dues amount to the NCA by belonging through the state association and, in addition, will receive free memberships for the remaining portion of 1981 and a chance at winning a saddle in a drawing of new members to be held in early winter.

## The Pinzgauer Bonanza Dispersal Sale Tuesday, September 22 10:30 a.m.

**Raymore, Missouri**

**Selling 542 Lots totaling 848 Head!**

Offering includes:

- 308 Cow/calf pairs, many 15/16 pairs, 7/8 pairs and 3/4 pairs
- 96 Open Heifers, many 15/16-bloods, 7/8-bloods and 3/4 bloods
- 98 Bred Females, including 7/8-bloods, 3/4-bloods and 1/2-bloods
- 42 Yearling Bulls, 15/16-bloods, 7/8-bloods and 3/4-bloods

THE LARGEST PINZGAUER SALE IN HISTORY!

- OFFERING The most American Purebreds ever, more than 100 head!
- OFFERING The most cow/calf pairs
- NEARLY 100% Purebred Hereford base is behind this entire offering
- ALL 1981 calves bred by KOENIG, PAPA BEAR and RANGER
- ALL of the popular bloodlines of the breed are represented in the breeding age females
- BUY these cattle with excellent disposition, carcass traits, low feed-conversion ratios
- ALL registration papers guaranteed



Bred coming 2-year-old purebred and 3/4 heifers, all selling!



These 3/4 and 7/8's bred heifers all sell!

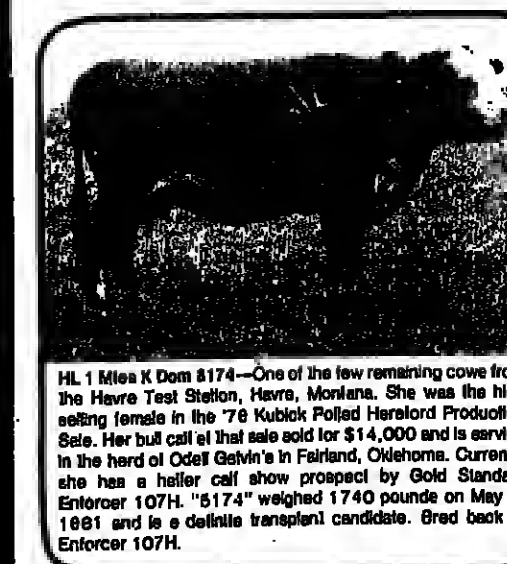
SALE HEADQUARTERS: Heritage Inn Best Western North edge of Belton, MO on Hwy 71 616/331-1200

Contact us for catalog or information: SALE MANAGED BY: Stanley E. Stout Auction Services, Inc. Route 1, Box 128-A Linwood, Kansas 66052 813/723-3201

## Jessen Ranch Complete Dispersion "The Benchmark Sale"

(Every Polled Female Sells)

**450 Head—At the ranch—10 a.m. (MST) September 23, 1981—Altonah, Utah**



HL 1 Mesa X Dom 8174—One of the few remaining cows from the Heave Test Station, Heave, Montana. She was the high selling female in the 78 Kubick Polled Hereford Production Sale. Her bull calf at that sale sold for \$14,000 and is serving in the herd of Odell Gehl's in Fairland, Oklahoma. Currently she has a heifer calf show prospect by Gold Standard Entorcar 107H. "6174" weighed 1740 pounds on May 1, 1981 and is a definite transplant candidate. Bred back to Entorcar 107H.

Including the service of DUPLICATION 476L, a full brother to Entorcar 107H 476 L will be the service sire on a majority of the cows with their first calves. A son of Victorious K47 U81 and out of BT L1 Advancer 12H's mother will be used to cover the cows after they have been bred AI.



OR Lady Vio K74 D151

Paternal sister of OR Vic Anx K74 E70 the sire of many excellent females. K151 has been one of the very top producing cows in the herd. Currently she has an excellent bull calf at side by Gold Standard Entorcar 107H.

## Reference Sires

BT PRL Driver 538L  
Entorcar 107H  
Justa Banner  
Victorious K47 U81

BT CL Domino 188  
Cherne Norden 108  
BT L1 Advancer 12H  
Vindicator

Auctioneers: Eddie Simme and Ken Trout

Catalog and information request Send to: Gary Jessen, Altonah, Utah 84002

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Town \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_

Jerry York and Don Doris for Western Livestock Journal

Sale Headquarters: Bottle Hollow Motel, Ft. Duchene, Utah

For sale information contact:

Jessen Ranch

Gary or Roselle Jessen

Altonah, Utah 84002

801/454-3368

or Norm Newell 801/454-3366

## How To Subscribe to WESTERN LIVESTOCK JOURNAL

Mail to WLJ

P.O. Drawer 17F, Denver, CO 80217

- ☐ Payment enclosed
- ☐ Bill me later
- ☐ Please charge:
- ☐ 3 years @\$33.00 (Your best buy)
- ☐ 2 years @\$28.00
- ☐ 1 year @\$18.50



No. \_\_\_\_\_

Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Town \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

☐ I would like to receive the monthly LIVESTOCK MAGAZINE FREE (to cattle producers who qualify)

## FRITSCH FARMS

1712 Crystal Lake Road, McHenry, Ill. 60050

Jack Fritsch, Owner 815/344-5785

Jim Finch, Gen. Mgr. 815/344-5785



## Show Results

COLORADO STATE FAIR  
Pueblo, Colo., Aug. 21-30

## CHAROLAIS

Judge: Ted Morgan,  
Sedgewick, Colo.

BULLS: 8 shown. Grand and senior champion: Buck Ranch, Carpenter, Wyo., on BR Superior 1 Reserve grand and junior champion: Hubert Charles Ranch, Miamoni, Kan., on HCN Profectionist 0193. Reserve senior champion: Rainbow End Ranch and Shallow Creek Charolais, Ft. Sumner, N.M., on SCC Extra Courage 918. Reserve junior champion: Shallow Creek Charolais on SCC Imperial Courage. Calf champion: Kingdon's LK Ranch, Meeker, on LK Rocky 117. Reserve calf champion: Bauman Ranch on BR Columbia 377.

FEEMALES: 16 shown. Grand and senior champion: Bauman Ranch on BR Mari 88. Reserve grand and senior champion: Bauman Ranch on BR Glenmore Girl. Junior champion: Shallow Creek Ranch on SCC Perfect Lady 070. Reserve junior champion: Shallow Creek Ranch on SCC Perfect Lady 070. Reserve calf champion: Bauman Ranch. Premier breeder: Bauman Ranch.

GROUPS: Pairs of calves: Kingdon's LK Ranch. Produce of dam: Bauman Ranch. Group of 8 head: Bauman Ranch. Premier breeder: Bauman Ranch.

CHIANINA  
Judge: Jerry Adamson,  
Cody, Neb.

BULLS: 11 shown. Peronina and grand champion: Mile High Chianina, Denver, on MH Ebony Tangle. Reserve peronina champion: Mile High Chianina on MH Ebony Adena. Reserve purebred and reserve grand champion: George Seward Cattle Co., Yuma, exhibited by Bill Bachet, on JW Zachariah.

FEEMALES: 28 shown. Peronina and supreme reserve grand champion: Mile High Chianina, Denver, on MH Ebony Tangle. Reserve grand champion: Mile High Chianina on MH Ebony Adena. Reserve purebred champion: P&L Farms, Akron, on PLF Marlin 102M. Reserve peronina champion: Dwight and Tammy Sunthen, Aurora, on Mile High Chianina 000.

GROUPS: Get-of-airs: Mile High Chianina. Cow-calf pair: Cimi Carlson, Denver, and Mile High Chianina. Premier exhibitor: Mile High Chianina.

SIMMENTAL  
Judge: Johnnie Hook,  
Manhattan, Kan.

BULLS: 10 shown. Grand and junior champion: Big Sky Simmentals and Golden Link, exhibited by Northwest Fitters, Laramie, Mont., on GL Follower 023M. Reserve grand and reserve junior champion: Ute Ranch, La Veta, on Ute Signal Mercury UM2. Senior champion: Quarter Circle 7 Simmentals, Ft. Springs, Neb., on Extra's Legacy.

FEEMALES: 38 shown. Grand and senior champion: David Kaufman, Ft. Morgan, on MTB Miss 20M. Reserve grand and senior champion: Samuel and Elmer Mick, Gil, on SBW Miss Verlo 4M. Junior champion: Justin Cumming, Julesburg, on Miss Signal 129. Calf and reserve junior champion: BSS Gray Gal 052M. Reserve calf champion: Bridle Bit Simmentals, Gil, on BBS Miss N291. Premier breeder: Big Sky Simmentals.

TEXAS LONGHORNS  
Judge: Dr. and Mrs. L.V. and Pat Baker, Elk City, Okla.

BULLS: Champion: Bob Schultz, Franktown, and Jean Wickford, Castle Rock, on Fifty-Fifty. Reserve champion: T.O. Sid Kelsey, Ramah, on Dieblo.

FEEMALES: Champion: Jean Wickland on Quibote Caledonia. Reserve champion: Bar Flying M Cattle Co., Yuma, on Miss Shahan 152. Premier exhibitor: Bar Flying M Cattle Co.

JUNIOR MARKET STEERS  
Judge: Dr. Bill Ables,  
Manhattan, Kan.

LIGHTWEIGHT DIVISION: 29 shown. Champion: Dustin Dorsey, Eaton, on crossbred. Reserve champion: Randy Kindelater, Greeley, on Chianina-cross.

MEDIUM WEIGHT DIVISION: 38 shown. Champion: Keni Leback, Sterling, on Chianina-Angus. Reserve champion: Tim Anderson, Eaton, on Chianina-Angus.

MEDIUM HEAVYWEIGHT DIVISION: 39 shown. Champion: Heithol James, Burlington, on Chianina-Angus. Reserve champion: Ben Rogers, Meeker, on Chianina-Angus.

HEAVYWEIGHT DIVISION: 47 shown. Champion: Tim Anderson on Chianina-Angus. Reserve champion: Scott Anderson, Eaton, on Maine/Chianina/Angus.

Grand champion: Keni Leback on Chianina-Angus. Reserve grand champion: Tim Anderson on Chianina-Angus. Best group of 3:

Kauffman Farms, Fort Morgan.  
Champion of champion: Scott MacLennan, Bennett. Reserve champion of champion: Julia Frontrios, Maybell.

INTERNATIONAL BRAHMAN FUTUREITY  
Houston, Texas, Aug. 28-29

Judge: Bill Cawan, Animas, N.M.

BULLS: Champion: Senie Isabel Ranch, Inc., Weller, on S.I.R. Sullivan 375, 4/29/79 by M.V.S. 120/2. Reserve: M.E. "Bud" Wenz, Omaha, on WFC Dolbert SS/S, 2/23/78 by MEW Crespusculo.

FEEMALES: Champion: Bill Teckitt, Floresville, on BDT Miss Swato Menao 383, 2/8/80 by WRF Reswelo Menao. Reserve: M Ranch, Thornton, on BCF Miss Imp ElioS, 4/21/80 by WHS Ben Imparator 758/S.

Honduras to cut exports to U.S.

U.S. beef imports from Honduras are expected to decline in 1981 to 22.68 million tons compared with 25.08 million tons in 1980, the U.S. agricultural attaché in Guatemala said, reports CNS.

The attaché said in a recent report that a rise in domestic meat consumption in Honduras combined with lower prices paid for beef in the U.S. will account for the decline in exports to the U.S.

In the Dominican Republic, exports of beef to the U.S. are expected to increase, the attaché in Santo Domingo said. Beef exports for 1981 are expected at 2,900 tons compared with 2,200 in 1980. Good domestic grazing conditions and a better price outlook for the cattle industry will account for the slight increase, the attaché said.

## Production Sale

Pat Goggins—Auctioneer  
Thursday, October 1st—1 p.m.  
at the ranch—Valler, Montana

Line One  
Advanced Dominant  
Big and Gentle  
Easy to Handle  
Featuring "887"  
and his sons.

## Sale Offering

HH Advance 887—Three-year-old Herd Sire, 80 inches tall and weighing 2100 pounds at the end of a 60 day breeding season on June 17th.

HH Adv Mark M047—A yearling reserve Herd Sire, 53.75 inches tall and weighing 1480 pounds on June 17th.

Nine yearling heifers—Open, from our own replacements

Thirteen open cows—from our own breeding herd.

Forty-five Big Bull Calves

Holden Herefords  
Lars & Ethel Holden  
Valler, Montana 59486  
Phone: 406/279-3428

Catalogs available on request after Sept. 10th

Guest Consignor  
Jack Holden  
Valler, Montana 59486  
Phone: 406/279-3328

Sale cattle are from a herd that has been built on a sound culling and performance program. The only privately owned herd as Hereford cattle in the United States that is completely blood tested and have had all blood types classified as typically Hereford.

Sale cattle will be on display on September 30th and October 1st. Coffee and Doughnuts on September 30th and lunch served on October 1st. Hospitality hour at The Two Travelers Restaurant in Valler on September 30th at 6:30 p.m. Visitors Welcome anytime. Please come and be our guests.

Saturday—September 26, 1981

at the ranch on Buford Highway 6 miles southeast of Meeker, Colorado

## Selling 106 Head

42 Broodmares  
12 Two and Three-year-old Geldings  
20 Yearling, Fillies and Colts  
32 1981 Babies

Selling Own Daughters of such outstanding Stallions as: Threeders, Dee Star, Captain Hank, Vandy, Baldy, Madison, Skippers King, Cliff Cody, Baba Cody, Chip Bar, Vagas Moonshine, Bar Tamis, Joint Venture, Leach Bar, Super Cash, Bull Run, Skips Pride, Kinga Raward, Vaquero Bar, Tha Ola Judge, Gandy Dancar, Skipato, Real Skippar, Skiptypys Faat, Nick W, Skips Shadow, Skipador, Skipagrande, Etc.

Sale Manager:  
Dean H. Parker • P.O. Box 3268 • Logan, Utah 84321 • 801/752-7701

DEAN H. PARKER —  
THANE E. LANCASTER AND ASSOCIATES

## Getting more beef per acre; welcome news for cattlemen

As Detroit engineers struggle to get more miles per gallon of gasoline used in our automobiles, researchers at agricultural colleges have been working on better ways to get more steaks and hamburgers per acre from our North American farm and ranch land.

With the cost of beef cutting into consumption patterns and a corresponding drop in the price received by cattlemen for their product, anything that helps hold down the cost of producing our favorite meat will be welcome news for both consumers and cattlemen.

Now, farmers and ranchers in the United States and Canada are looking to new ways to get up to 100 lb. more beef from an acre of grazing land. The key to this success is better grassland management, especially rethinking of fertilization programs used on native grasses.

According to a report by Sperry New Holland, a farm machine manufacturer, grazing areas kept in top condition are essential for achieving more beef per acre. Just how to accomplish this varies as much as the grass varieties throughout North America, the report adds.

One of the more consistent ways of boosting productivity of native range is taking place in the Northern Plains, where a large percentage of grass-fattened beef originates. In some cases, stocking rates per acre have nearly doubled.

Duane L. Dodds, extension grassland management specialist at North Dakota State University, says fertilization of the more productive grassland increases the potential grazing capacity and should result in more beef per acre.

Grassland fertilization studies conducted at the Northern Great Plains Research Center (NGPRC) in North Dakota have shown beef cattle grazing on nitrogen fertilized pastures gain more per acre than cattle on unfertilized ranges.

NGPRC research director Russell Lorenz says pasture in the Plains usually

produce 50 lb. of gain per acre for yearling beef. By adding 40 lb. of nitrogen per acre to the range pastures the beef gain was increased to 97 lb. With 80 lb. of fertilizer, the increase was a substantial 125 lb. of gain per acre.

In western Oklahoma, steers grazing native lovegrass supplemented with nitrogen increased the gain per head by 10%. The carrying capacity of the range increased by 25% and beef production per acre was upped 31%.

Improved stocking rates were made possible by the nitrogen applications. Where unfertilized native grassland required 5.3 acres per yearling steer for a 140-day grazing season the fertilized grassland required only 2.6 acres for the same grazing season.

Lorenz says along with the greater carrying capacity, the protein content in the plants is almost always increased by nitrogen applications.

The research suggests another possible benefit of the fertilization program is that improved plant conditions will extend the grazing season.

The fertilization program is not without its problems, however, since fertilizer responds to moisture availability. In dry seasons, the lack of moisture could be a limiting factor.

Because of this problem in drier areas, some cattle producers are looking at an alternative called complementary pasturing or complementary seeding.

This practice uses other forages, grasses or legume plants introduced into or used in conjunction with

native grass pasturing areas. These additional plants can boost pasture nutrition and produce more beef per acre, says Mark Kilcher, range scientist at the Swift Current Research Station in Saskatchewan.

Kilcher says the principle of complementary seeding comes from the growth patterns of various forage plants. Cool season grasses such as crested wheatgrass, Russian Wild Ryegrass and adapted alfalfa varieties make 80% of their seasonal growth during the first 5-6 weeks of grazing in the spring. Native plants have only 25% of their seasonal growth at this same time.

During the first part of the season, cattle can graze the cool season grasses and later move to the native plants. If the cattle graze only on the native plants during the early season, their nutritional needs will not be fully met and gains could be kept low.

Finding the best plant growth for the Russian Wild Ryegrass and Alkali Wild Ryegrass pasture noted in 200-lb. animal gain per acre, Kilcher notes. This was in an area where livestock gains on native range averaged 17 lb. per acre.

Jim Waggoner, an animal scientist at the University of Wyoming, is also studying complementary seeding theories. He claims the benefits from the combination of native range and created wintergrass include an increased carrying capacity of the land, more pounds of calf produced per acre, better weight gains and earlier calving dates for cows.

Complementary pasturing also offers a number of benefits from the actual nutrient value of plants to the added capacity for grazing animal units.

It is an alternative that demands the best in management skills, Kilcher stresses. Each producer must decide which grasses or legumes will best complement his existing range or pastureland.

Fertilization and complementary seeding can promote more efficient grassland beef production. However, even these systems would be useless without proper management, the Sperry New Holland report points out.

One of the major limiting factors in native grass management is water availability. Native grass responds to wet and dry years differently than do seeded crops. One wet or dry year only offsets the yields that season, but if two or more wet or dry seasons come in a row, the plants will be affected.

Many steps can be taken to better manage the native grass grazing areas. One of those is deferred grazing which involves holding the cattle off native grass early in the grazing season until the plants have matured.

The cattle can use other pasturing areas until mid-season or graze on areas where legumes and other

## HUNDREDS OF WINDMILL OWNERS CANNOT BE WRONG

Protect your stock pipe with our heavy wall PVC plastic pipe. Fungus, rust and deterioration that goes with steel pipe. Lightweight and easy to handle. With our heavy duty plastic pipe, a plastic pipe installation is maintenance free. Our heavy wall plastic pipe is far superior than fiber glass. All our previous customers who have put plastic pipe in their windmills, continue to brag about it. Available for immediate shipment in 2", 2 1/2" and 3" sizes. Urethane Permacaps, no leak Urethane Check-balls and Urethane Rod-guides. (Chlorine Tank Coatings for steel and concrete tanks, stops all leaks, prevents rust forever. Write or call for our Ranchers catalog. This is our 31st year. We ship same day order is received.

VIRIDEN PERMA-BILT  
2821 Mays Ave. Box 7160 WJL  
Amarillo, Texas 79109  
806/352-2761



SEPTEMBER 28, 1981  
at the ranch  
MINATARE, NEBRASKA  
COMPLETE DISPERSION OF EVERY SOUND  
1973 & 1974 FEMALE IN THE HERD  
(Except the small number in Transplant)  
OVER 325 HEAD SELL IN 195 LOTS



FEATURING THE GET OR SERVICE OF:  
"ATOMIC"  
"SENTRY"  
"DYNAMO"  
"CORNERSTONE"  
"BLAZER"  
"1342"  
"DEALER"  
"CONDUCTOR"  
"EDUCATOR"  
"ENIGMA"  
"DIVIDEND"  
THE LARGEST GROUP OF PROVEN MATURE "DYNAMO" DAUGHTERS EVER TO SELL!  
119 "Dynamo" Daughters  
40 Emulation 31 Daughters

Plus a select group of Donor Females from our transplant program, and a group of pregnant recipients from some of the greatest females in the Ankony program will sell!

AUCTIONEERS: Jack Parnell & Jim Baldridge  
For catalogs and information, contact the Sale Manager

JDA  
P.O. Box 117  
Palm Springs, California 92261  
(619) 724-1222

ANKONY SHADOW ISLE  
Denver, Colorado 30353-4367  
Bismuth, Colorado 30364-1306  
Minatara, Nebraska 31673-2121

FRIDAY  
SEPT. 25, 1981  
12 Noon

Pre-showing for Buyers and Consignors and no-host dinner at 6 p.m.  
Thursday, Sept. 24 - PAYS Billings, Montana.

6th Annual Montana VIDEO FEEDER CATTLE CONTRACT AUCTION

Expecting 15,000 HEAD

Some Of Our Typical Consignments This Year Include:

800 Black & X-Bred Yrig Steers Est. wt. 775 lbs. Del. Sept. 1-10	140 Yrig Steers Angus & Hb. Est. wt. 775 lbs. Del. Sept. 25-30	60 Steer Calves Est. wt. 650 lbs. Del. Nov. 20	300 Mid & BWF Steers Est. wt. 750 lbs. Del. Sept. 20
888 Hereford Steers Est. wt. 800 lbs. Del. Oct. 1-10	270 BWF Steer Calves Est. wt. 800 lbs. Del. Oct. 20-30	60 Steer Calves Est. wt. 470 lbs. Del. Nov. 10	285 BWF & Black Steer Calves Est. wt. 520 lbs. Del. Oct. 25
840 Black & BWF Steers Est. wt. 775 lbs. Del. Oct. 1-10	278 BWF Heifer Calves Est. wt. 470 lbs. Del. Oct. 25-30	80 Heifer calves Est. wt. 420 lbs. Del. Nov. 1-10	740 Angus Bred Heifers Bred to Angus, Feb. 15 Delivers Est. wt. 800 lbs. Del. Oct. 10
440 Black & BWF Heifers Est. wt. 700 lbs. Del. Oct. 1-10	141 Yrig Steers Est. wt. 1050 lbs. Del. Sept. 25 on	140 Bred BWF Heifers Est. wt. 850 lbs. Del. Oct. 15-40	375 Crossbred Steer Calves Est. wt. 680 lbs. Del. Oct. 20-Nov. 10
180 YEARLING BULLS Est. wt. 800 lbs. Del. Oct. 5-25	240 Steer Calves Est. wt. 450 lbs. Del. Oct. 25-Nov. 1	180 Black BWF Bred Heifers Est. wt. 850 lbs. Del. Oct. 1	275 Crossbred Heifer Calves Est. wt. 650 lbs. Del. Oct. 20-Nov. 10
500 OPH Yrig Heifers Est. wt. 850 lbs. Del. Oct. 1-5	160 Heifer calves Est. wt. 425 lbs. Del. Oct. 25-Nov. 1	8000 Yrig Crossbred Steers Est. wt. 750 lbs. Del. Sept. 15-Oct. 1	1600 Mid & BWF Yrig Steers Est. wt. 750 lbs. Del. Sept. 25-Oct. 1
500 Yrig Heifers Est. wt. 800 lbs. Del. Oct. 5-10	200 Yrig Mid Steers Est. wt. 850 lbs. Del. Sept. 25-Oct. 1	800 Yrig Crossbred Steers Est. wt. 750 lbs. Del. Sept. 15-Oct. 1	300 Yrig BWF Steers Est. wt. 750 lbs. Del. Sept. 21-25
300 Yrig Heifers Est. wt. 800 lbs. Del. Oct. 5-10	140 Yrig Steers Est. wt. 850 lbs. Del. Oct. 15-20	800 Mid & BWF Steers Est. wt. 650 lbs. Del. Oct. 15	120 Yrig BWF Heifers Est. wt. 650 lbs. Del. Oct. 15
200 Crossbred calves Est. wt. 450 lbs. Del. Oct. 20	547 Yrig Steers Est. wt. 850 lbs. Del. Oct. 1	100 Mid & Longhorn Cross Calves Est. wt. 450 lbs. Del. Nov. 1-5	275 BWF Steer Calves Est. wt. 650 lbs. Del. Oct. 25-30



"An economical way for Buyers and Sellers to get together in a business-like manner"  
For Further Information, Contact:  
Patrick K. Goggins - Co-ordinator  
406/289-1888  
Bilings, MT 59107



# Poultry, hog industry profits hurt by high interest rates

Continued high interest rates have squeezed profits in the poultry and hog industries during the last year, according to poultry and hog industry sources contacted by CNS.

Because most poultry companies are large and vertically integrated, the poultry industry carries large inventories and borrows large sums of money, poultry sources said.

Tyson Foods, which produces 3.5 million broilers per week, has an inventory in excess of \$75 million, \$40 million of which is borrowed, said Gerald Johnston, executive vice president of finance for Tyson.

"Interest rates have a tremendous effect on the bottom line," Johnston said. A big portion of the borrowed capital is carried in short-term debts. It is necessary for Tyson to borrow more capital than before because of high interest rates.

The interest rate charged poultry producers has averaged 17% during the last nine months, Johnston said. Interest charges account for about 3% of the cost of gain at Tyson, he said.

High interest rates have increased borrowing levels, said Roland Rexroth, vice president of finance of Cagle's, Inc., another poultry producer. Cagle's is borrowing twice the level of its equity base. Of the borrowed capital, 60% to 65% is financed through short-term loans and the balance is longer-term. Interest rates paid by Cagle's range from 7% to 25%, he said.

Expected lower grain costs this fall may offset some of the high interest costs, Rexroth said. Revenue has not compensated for the high interest rates, he said.

Inventories such as feed ingredients are kept at a minimum, Johnston said, to reduce interest payments. However, because much of the poultry industry is vertically integrated, production cannot be reduced because efficiency will suffer.

The poultry industry has had to realize interest rates are not going to decline, Johnston said. Many poultry producers were attempting to hold on until interest rates declined.

Some smaller poultry producers will probably begin cutting back because of unprofitability brought on by high interest rates, Johnston said. However,

poultry production for the third quarter of 1981 is expected to be up 6% compared with a year earlier, analysts said.

"The hog industry also has felt the pinch of high interest rates, along with a sustained period of depressed cash hog prices last year, pork producers and lenders told CNS.

This period of losses was "a little longer and a little rougher than hog producers thought it would be," Keith Ven Gilt, an Iowa Hog producer told CNS in an earlier interview. The unexpected jump in interest rates might have broken a few, he said.

Bankers are taking a hard look at cash flow, said Allen Keppy, an Iowa hog producer. High interest rates have been a major drain on cash flow.

Loans for new construction for feeder pig purchases are down substantially because of continued high interest rates, said Charles Nichols, executive vice president of loans, First Central State Bank, Dawitt, Iowa.

Hog producers who have borrowed and expanded in the last few years have experienced large financial losses, said Richard Larson, President of Ottumwa, Iowa, Federal Land Bank. If a hog producer has a bad base, he is in better financial shape, he said.

High interest rates have increased the amount of losses during the last year, they said, and as a result many large hog confinement units have been closed or put up for sale.

Big cities were created out of a lot of people could be huddled together.

## 250 CLUB CALF PROSPECTS SELLING

at the  
**4H Western Jr. Livestock Show**  
**AT AUCTION**

**SATURDAY, OCTOBER 10**  
4:30 p.m. Central States Fairgrounds

**Rapid City, South Dakota**

200 steer calves and 50 heifer calves of all breeds and crosses selling. Without a doubt one of the finest offerings of club prospects offered at auction in the United States.

All calves show at better Oct. 8 and 9, 1981. All purple and blue ribbon calves sell Oct. 10.

All buyers are asked to bring letter of credit from their bank.

For more information contact: Stan Allan • 605/642-3430  
Western Junior Livestock Show • Rapid City, S.D. 57701

## E.N. Jeffers & Sons 28th Cowman's Production Sale

October 5 • At the Ranch  
25 mi. east of Springer, N.M.  
Approximately 100 Head Sell

**E.N. Jeffers & Sons**  
Box 14  
Springer, N.M. 87748  
505/463-2674

## Vermilion Proven Producers — Complete Dispersion

Tuesday, October 6 • Billings, Montana

10 a.m. MDT • Public Auction Yards

### 309 BRED COWS SELL

Every Spring Calving Cow Over Three Years Old Sells  
Some of America's outstanding super performance cows will sell in this dispersion. Vermilion ranks fourth nationally in Pathfinder Cows, 30 in number, all of which sell October 6.

We have always put selection pressure on our young cattle. More than 250 cows in the sale are seven years old and younger.

### SELLING

Many Mother-Daughters; 1/2-3/4 and Full Sisters  
Our Cows are ★ Big ★ Long ★ Fertile  
Representing the best in performance bloodlines!

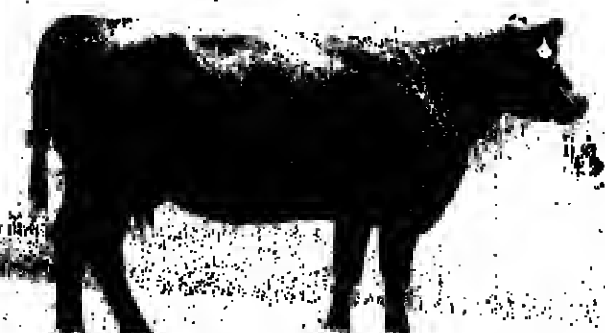
Service Sires include  
★ Mr Angus ★ Chaps ★ Hi Guy  
★ Warrant ★ Thomas Country Boy  
★ HR King Rito

Pre-Sale Get-together  
Monday, Oct. 5 • 6 p.m.  
Northern Hotel—Sale Headquarters

Auctioneers:  
Jim Bakridge • Ken Trout  
Bill Fisher  
Sale Consultant

**Vermilion Ranch**  
P.O. Box 30758, Billings, Montana 59107

For information contact:  
Bob Cook  
406/245-8447 or 259-4589  
Evening 406/259-8289



LOT 248: An outstanding producer. Daughter of Emulous 2741 of BAR. Many of his daughters sell and they account for many of the best in our herd. Progeny Performance: WR-113, VR-113, BVR-106. Sells bred to Thomas Chaps.



LOT 46: Two full brothers have sold for \$15,000 and \$9,000 respectively in past Vermilion sales. She is one of the best selling. She's a granddaughter of Scherbrook Shoshone and her dam also sells. Progeny Performance: WR-103, VR-106, BVR-106. Sells bred to Thomas Chaps.



LOT 5: Here is one of 36 excellent granddaughters of the Performance leader, Scherbrook Shoshone. Progeny Performance: WR-105, VR-105, BVR-104. Sells bred to our exciting new herd sire, Traveler 0123 BAR the top selling bull at \$18,500 in Garner-Denowale Sale.



LOT 170: A Granddaughter of Pathfinder sire Bardotter 011 BAR. He has a Maternal Breeding Value of 107. Progeny Performance: WR-102, VR-100, BVR-102. Sells bred to Mr. Angus.



**YOUTH MEET IN LOUISVILLE**—The 14th annual National Shorthorn Youth Conference was the largest ever as 37 delegates and over 150 junior Shorthorn members representing 20 different junior associations, took part in the week of activities, contests and leadership workshops held in conjunction with the National Junior Shorthorn Heifer Show in Louisville, Ky. Ralph Kaehler, Waldorf, Minn., was elected president of the organization for the coming year.

## Limit federal expenditures; main objective of farm bill

The Reagan administration's main objective of the pending 1981 farm bill is to limit federal expenditures for farm programs, U.S. Agriculture Secretary John Block said recently.

"Anything that would be a major Treasury exposure (federal expenditure) would be a potential reason for a presidential veto," Block said in an interview with CNS.

Block would not predict the outcome on the controversial target price issue, which has been a major conflict between Congress and the administration during formulation of the 1981 omnibus bill. He reiterated that if target prices were not eliminated from the House and Senate Agricultural Committee versions of the farm bill, they would have to be reduced so that the Treasury would not be susceptible to substantial deficiency payments.

Both the Senate and House Agriculture Committee bills mandate minimum target price levels for the four years of the bill. Those levels generally are sharp increases from current target prices. In the present bill, the agriculture secretary has the authority to set target prices. Block has said earlier that if he had that discretion, he would set target prices at the loan rate, which would assure no deficiency payments.

"Farmers do not believe in a direct dip out of the Treasury," Block said. Block cited the dairy program as a major worry to

the administration. He also said the wheat and rice provisions in the 1981 farm bill proposals were excessive and would have to be reduced.

On sugar and peanuts, Block conceded that the administration had backed away from its earlier goals of dismantling the peanut marketing quota and acreage allotment provisions and of not having a sugar loan program.

"We will let Congress work it out on sugar and peanuts. We're not going to pressure for the original administration position," he said.

The Reagan administration backed away from both of those provisions in return for conservative Democrat support of the Reagan administration budget and tax cut bills passed this summer.

On the general farm price situation, Block said, "I am deeply concerned about farm prices in general, but I'm not doom and gloom—at least we have a crop."

When asked if taking away target prices was going to leave an adequate "safety net" for the farm economy, Block said the loan rate and the reserve program serve as an adequate safety net.

He said farmers' slowness in putting wheat in the reserve indicated their optimism for better prices. However, Block said he was not concerned at the slow rate wheat was going into the reserve.

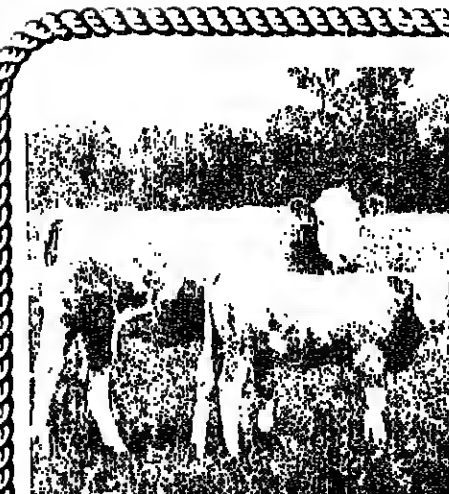
A decision on the feed grain reserve program is

pending, he said, and he would not reveal when the administration would make a decision on the program.

Block said he did not anticipate changing his decision not to implement production controls for the upcoming 1981-82 wheat and feed grain crops. While he reiterated he would prefer a paid diversion program if production controls were ever implemented, he said he would want to retain the option of a set-aside program.

Block said he would not reveal when the administration would make a decision on the program.

Block said he would not reveal when the administration would make a decision on the program.



This better calf by 15 Signet 21G and her mother sell.

## COMPLETE SIMMENTAL FEMALE DISPERSAL

**QUIRK LAND & CATTLE CO.**  
HASTINGS, NEBR.  
September 30 • 1981 • 10:00 A.M.

Selling 323 Lots—590 head  
250 Spring Fawns—57 Fat Fawns

- 70 Purebred Cows With 1981 Calves
- 150 3/4 Blood Cows With 1981 Calves
- 100 Halfblood Cows With 1981 Calves
- 3 Herd Bulls

The Quirk Simmental herd is an all Angus background herd and includes many black and polled cattle.

**CATTLE BROKERS**  
P.O. Box 888 North Platte, Neb. 68101  
DEAN JACOBS • 505/534-3847 • M.T. 56-550A • 308/534-3871  
PHONE 308/534-3870

Re: Harl Office: 402/463-6651  
Richard Pitts Office: 402/463-6112  
Randy Graham Barn: 402/463-9715  
Home: 402/463-9423  
Home: 402/463-4957  
John A. Quirk Office: 402/463-6651  
Home: 402/462-4939

**LAND & QUIRK CATTLE CO.**  
P.O. Box 149 • Hastings, Nebr. 68901

## A BREAK-THROUGH WITH THE BREED'S POWER GENETICS

**BAYERS HEREFORD RANCH SOULSBY DIVISION**

## THE LARGEST Line 1 Dispersion . . . EVER!

Large in numbers and quality!  
(Every animal on the ranch sells)

**Mon.-Tues. • Sept. 28-29**

10:30 a.m. at the ranch southwest of  
**Windham, Montana**



**500 Head Sell**



**DL1 CL1 Domino 8034**  
Three-quarters interest and full-possession sell. One of 3 bulls in 1/2 million that have exceeded the 1300 weight at 12 months. A great young bull and considered one of the breed's best. HE, HIS GET AND SERVICE SELL!



**L1 SUPER ADVANCE 58R**  
Performance record holder at Mesa City and a 2330 pound mature bull. WR 118 • QR 151 • VR 188 • DO 3.72 • 1214 lbs. at 12 mos. HIS DAUGHTERS & GRANDDAUGHTERS SELL.



**L1 ADVANCE DOMINO 58R**  
An outstanding son of Jack Cooper's "7221R" purchased in cash by Joe Soulsby. A handsome breeding bull with size & muscle. HIS DAUGHTERS SELL.



Some of the many females in the offering.

SALE AT THIS SOULSBY RANCH LOCATED SOUTHWEST OF WINDHAM, MONTANA. Sale Starts 10:30 a.m. Lunch on Grounds.

CATALOGS AVAILABLE BY WRITING:  
Byron Bayers, Division  
Two Bridges Road, Box 84  
Cattle will have health papers to go anywhere in the U.S. Transportation will be available in areas anywhere in the nation.

**SOULSBY DIVISION**  
A Division of  
United Livestock Brokers, Inc.  
Sales Management  
4026 West County Road 50E,  
P.O. Collins, Colo. 80521  
303/484-0664

SALE DAY PHONE: 406/588-2708



# Market aggressive despite slow trade

TRADE ON FED CATTLE was rather slow to moderate through most of the week, as buyers remain cautious in the face of week wholesale beef trade coupled with a continuing moderate federal inspected slaughter rate.

Most buying interests were never very aggressive and very hesitant about carrying large inventories over the long holiday weekend. The best demand continued to center on steers over 1100 lb. and heifers over 950 lb. with lighter weights hard to move and finding only marrow outlets. The market showed only limited numbers of 900-1000 lb. steers and 850-900 lb. heifers returning to feedlots as feeder buyers were cautious and not as competitive for numbers.

The supply of market ready cattle is still very current and average to high choice steers over 1150 lb. and heifers over 950 lb. where found in short supply.

Price trends on slaughter steers and heifers continued rather uneven, with Midwestern terminals and direct trade markets finishing mostly lower.

**KANSAS MD. FRAME #1** steers 550-875 lb. \$65-66; 700-800 lb. \$63-65.50; 800-900 lb. \$63-65.50. Heifers md. frame #1 550 lb. \$60.50; 600-700 lb. \$59.50; md. frame #1-2 500-825 lb. \$57. Oklahoma City md. frame #1 steers 330 lb. \$73.25; 420 lb. \$76.25; 400 lb. \$70; 475 lb. \$68.75; 600-600 lb. \$83.50-99.50; 600-700 lb. \$86.50-87; 700-800 lb. \$84-87; 800-910 lb. \$83.40-84.80. Heifers md. frame #1 300-400 lb. \$68-63.25; 400-500 lb. \$55-61.25; 600-725 lb. \$58-61.90. Amarillo steers md. frame #1 300-400 lb. \$75-78.50; 400-500 lb. \$67-72; 600-700 lb. \$64-87.50; 700-800 lb. \$65.50-67.75; 800-900 lb. \$63.50-65.25. Heifers md. frame #1 300-400 lb. \$66.25-69; 400-500 lb. \$58-62.25; 500-600 lb. \$56.25-59.75; 600-700 lb. \$56.75-61; 700-825 lb. \$56-60. Dodge City steers md. frame #1 500-600 lb. \$62.25-66.80; 700-800 lb. \$56-67.70; 700-800 lb. \$66-68.10; 800-900 lb. \$64.50-66.50. Heifers md. frame #1 400-500 lb. \$55.25-59.75; 600-600 lb. \$56.80-60; 600-700 lb. \$59-62.80; 700-825 lb. \$59-61.50.

**COLORADO STEERS MD. FRAME #1** 325-425 lb. \$72.50-79.50; 425-500 lb. \$67.75-73; 550-700 lb. \$63.50-68.25; 700-800 lb. \$63-67; 800-925 lb. \$62.75-66. Heifers md. frame #1 300-375 lb. \$64-69.75; 600-700 lb. \$60-65.75; 600-725 lb. \$59-62.75. Wyoming, western Nebraska, southwestern South Dakota steers md. frame #1 450-600 lb. \$66.50-68.25; 600-700 lb. \$64.75-66.85; 700-800 lb. \$64.75-67.50; 800-900 lb. \$63.50-67.20; 900-1000 lb. \$61.75-65. Heifers md. frame #1 400-600 lb. \$60.75-64.50; 600-700 lb. \$60-64; 800-900 lb. \$59-63.75; 900-1000 lb. \$62-65. Montana steers md. frame #1 550-900 lb. \$62-65. Heifers md. frame #1 550-750 lb. \$58-61. California steers md. frame #1 375-400 lb. \$67; 522 lb. \$64; 625-675 lb. \$62.50-62.75; 725-900 lb. \$60-63. Heifers md. frame #1 550-600 lb. \$56-58; 600-800 lb. \$55-57. Washington, Oregon and Idaho steers md. frame #1 275-300 lb. \$64-70; 300-500 lb. \$62.50-68; 500-600 lb. \$62-65.50; 600-800 lb. \$60-63.30; 800-900 lb. \$60-64.20; 900-1000 lb. \$61-62.50. Heifers md. frame #1 300-500 lb. \$53.75-58; 500-600 lb. \$52.50-55.50; 600-850 lb. \$52.75-58.25.

**ARIZONA SLAUGHTER STEERS** mixed good and choice 2-3 925-1050 lb. \$69-69.50; good with end choice 2-3 950-1100 lb. \$68.50-69; 1150 lb. \$68.50; mostly good 2-3 1050 lb. \$68-66.50. Holsteins \$64-64.50. Colorado slaughter steers good to mostly choice 2-3 925-1025 lb. \$64.50-65; mixed good and choice 950 lb. \$63. Idaho slaughter steers good to mostly choice 2-3 1125-1200 lb. \$66-66.50; Holsteins \$68. Heifers good to mostly choice 2-3 650-1050 lb. \$62-63. Eastern Kansas slaughter steers choice 2-4 1050-1175 lb. \$68.50-67; choice with end good 1050-1075 lb. \$66-66.75; Holsteins \$66.50-69.75. Heifers choice 2-4 930-1000 lb. \$63-65.50; choice with end good 950-1000 lb. \$63-63.50; mixed good and choice heiferettes 1050-1125 lb. \$60-62. Western Kansas slaughter steers choice 2-4 1050-1225 lb. \$66.25-67.50; choice with end good 1025-1250 lb. \$66.50-67; mixed good and choice 1150-1300 lb. \$64; Holsteins \$62-62.75. Heifers choice 2-4 950-1050 lb. \$66.50-66.

**MONTANA SLAUGHTER STEERS** good to mostly choice 2-4 1050-1150 lb. \$64.50-65. Heifers good to mostly choice 2-4 925-1000 lb. \$61.50-62.

**SOUTHERN SAN JOAQUIN**, Nevada slaughter steers choice 2-4 1080-1150 lb. \$67-68; mixed good and choice 2-4 1000-1200 lb. \$68-67.50; Holsteins \$65-65.50. Heifers choice 2-4 950-1000 lb. \$64.50-65.50; mixed good and choice 2-4 900-1000 lb. \$64-64.50. Texas, western Oklahoma slaughter steers good and mostly choice 2-3 1025-1175 lb. \$67-67.50; mixed good and choice 2-3 975-1175 lb. \$66-67; good with few choice 2-3 1100-1150 lb. \$68-65; Holsteins \$62-64. Heifers choice 2-6 950-975 lb. \$65; good and mostly choice 2-8 900-1000 lb. \$64-64.50; mixed good and choice 2-8 975-1000 lb. \$66-64; good and choice 2-4 950-1100 lb. heiferettes \$60-62. Utah slaughter steers good to mostly choice 2-3 1075-1200 lb. \$64-66; Holsteins \$69-60. Heifers good to mostly choice 2-3 900-1000 lb. \$62-62.50.

**SAN ANGELO SLAUGHTER** spring lamb choice and prime 90-120 lb. born with #1-2 pairs \$48-51; few 112-114 lb. \$47.50-48; 111 lb. weaned \$60. Ewes good \$18-21; utility \$10-15; cull and low \$8-11. \$13-18. Sioux Falls feeder pigs US 1-2 30-30 lb. \$24-26; 30-40 lb. \$25-26; 40-50 lb. \$27-28; 50-60 lb. \$28-29; 60-70 lb. \$29-30; 70-80 lb. \$30-31; 80-90 lb. \$31-32; 90-100 lb. \$32-33; 100-110 lb. \$33-34; 110-120 lb. \$34-35; 120-130 lb. \$35-36; 130-140 lb. \$36-37; 140-150 lb. \$37-38; 150-160 lb. \$38-39; 160-170 lb. \$39-40; 170-180 lb. \$40-41; 180-190 lb. \$41-42; 190-200 lb. \$42-43; 200-210 lb. \$43-44; 210-220 lb. \$44-45; 220-230 lb. \$45-46; 230-240 lb. \$46-47; 240-250 lb. \$47-48; 250-260 lb. \$48-49; 260-270 lb. \$49-50; 270-280 lb. \$50-51; 280-290 lb. \$51-52; 290-300 lb. \$52-53; 300-310 lb. \$53-54; 310-320 lb. \$54-55; 320-330 lb. \$55-56; 330-340 lb. \$56-57; 340-350 lb. \$57-58; 350-360 lb. \$58-59; 360-370 lb. \$59-60; 370-380 lb. \$60-61; 380-390 lb. \$61-62; 390-400 lb. \$62-63; 400-410 lb. \$63-64; 410-420 lb. \$64-65; 420-430 lb. \$65-66; 430-440 lb. \$66-67; 440-450 lb. \$67-68; 450-460 lb. \$68-69; 460-470 lb. \$69-70; 470-480 lb. \$70-71; 480-490 lb. \$71-72; 490-500 lb. \$72-73; 500-510 lb. \$73-74; 510-520 lb. \$74-75; 520-530 lb. \$75-76; 530-540 lb. \$76-77; 540-550 lb. \$77-78; 550-560 lb. \$78-79; 560-570 lb. \$79-80; 570-580 lb. \$80-81; 580-590 lb. \$81-82; 590-600 lb. \$82-83; 600-610 lb. \$83-84; 610-620 lb. \$84-85; 620-630 lb. \$85-86; 630-640 lb. \$86-87; 640-650 lb. \$87-88; 650-660 lb. \$88-89; 660-670 lb. \$89-90; 670-680 lb. \$90-91; 680-690 lb. \$91-92; 690-700 lb. \$92-93; 700-710 lb. \$93-94; 710-720 lb. \$94-95; 720-730 lb. \$95-96; 730-740 lb. \$96-97; 740-750 lb. \$97-98; 750-760 lb. \$98-99; 760-770 lb. \$99-100; 770-780 lb. \$100-101; 780-790 lb. \$101-102; 790-800 lb. \$102-103; 800-810 lb. \$103-104; 810-820 lb. \$104-105; 820-830 lb. \$105-106; 830-840 lb. \$106-107; 840-850 lb. \$107-108; 850-860 lb. \$108-109; 860-870 lb. \$109-110; 870-880 lb. \$110-111; 880-890 lb. \$111-112; 890-900 lb. \$112-113; 900-910 lb. \$113-114; 910-920 lb. \$114-115; 920-930 lb. \$115-116; 930-940 lb. \$116-117; 940-950 lb. \$117-118; 950-960 lb. \$118-119; 960-970 lb. \$119-120; 970-980 lb. \$120-121; 980-990 lb. \$121-122; 990-1000 lb. \$122-123; 1000-1010 lb. \$123-124; 1010-1020 lb. \$124-125; 1020-1030 lb. \$125-126; 1030-1040 lb. \$126-127; 1040-1050 lb. \$127-128; 1050-1060 lb. \$128-129; 1060-1070 lb. \$129-130; 1070-1080 lb. \$130-131; 1080-1090 lb. \$131-132; 1090-1100 lb. \$132-133; 1100-1110 lb. \$133-134; 1110-1120 lb. \$134-135; 1120-1130 lb. \$135-136; 1130-1140 lb. \$136-137; 1140-1150 lb. \$137-138; 1150-1160 lb. \$138-139; 1160-1170 lb. \$139-140; 1170-1180 lb. \$140-141; 1180-1190 lb. \$141-142; 1190-1200 lb. \$142-143; 1200-1210 lb. \$143-144; 1210-1220 lb. \$144-145; 1220-1230 lb. \$145-146; 1230-1240 lb. \$146-147; 1240-1250 lb. \$147-148; 1250-1260 lb. \$148-149; 1260-1270 lb. \$149-150; 1270-1280 lb. \$150-151; 1280-1290 lb. \$151-152; 1290-1300 lb. \$152-153; 1300-1310 lb. \$153-154; 1310-1320 lb. \$154-155; 1320-1330 lb. \$155-156; 1330-1340 lb. \$156-157; 1340-1350 lb. \$157-158; 1350-1360 lb. \$158-159; 1360-1370 lb. \$159-160; 1370-1380 lb. \$160-161; 1380-1390 lb. \$161-162; 1390-1400 lb. \$162-163; 1400-1410 lb. \$163-164; 1410-1420 lb. \$164-165; 1420-1430 lb. \$165-166; 1430-1440 lb. \$166-167; 1440-1450 lb. \$167-168; 1450-1460 lb. \$168-169; 1460-1470 lb. \$169-170; 1470-1480 lb. \$170-171; 1480-1490 lb. \$171-172; 1490-1500 lb. \$172-173; 1500-1510 lb. \$173-174; 1510-1520 lb. \$174-175; 1520-1530 lb. \$175-176; 1530-1540 lb. \$176-177; 1540-1550 lb. \$177-178; 1550-1560 lb. \$178-179; 1560-1570 lb. \$179-180; 1570-1580 lb. \$180-181; 1580-1590 lb. \$181-182; 1590-1600 lb. \$182-183; 1600-1610 lb. \$183-184; 1610-1620 lb. \$184-185; 1620-1630 lb. \$185-186; 1630-1640 lb. \$186-187; 1640-1650 lb. \$187-188; 1650-1660 lb. \$188-189; 1660-1670 lb. \$189-190; 1670-1680 lb. \$190-191; 1680-1690 lb. \$191-192; 1690-1700 lb. \$192-193; 1700-1710 lb. \$193-194; 1710-1720 lb. \$194-195; 1720-1730 lb. \$195-196; 1730-1740 lb. \$196-197; 1740-1750 lb. \$197-198; 1750-1760 lb. \$198-199; 1760-1770 lb. \$199-200; 1770-1780 lb. \$200-201; 1780-1790 lb. \$201-202; 1790-1800 lb. \$202-203; 1800-1810 lb. \$203-204; 1810-1820 lb. \$204-205; 1820-1830 lb. \$205-206; 1830-1840 lb. \$206-207; 1840-1850 lb. \$207-208; 1850-1860 lb. \$208-209; 1860-1870 lb. \$209-210; 1870-1880 lb. \$210-211; 1880-1890 lb. \$211-212; 1890-1900 lb. \$212-213; 1900-1910 lb. \$213-214; 1910-1920 lb. \$214-215; 1920-1930 lb. \$215-216; 1930-1940 lb. \$216-217; 1940-1950 lb. \$217-218; 1950-1960 lb. \$218-219; 1960-1970 lb. \$219-220; 1970-1980 lb. \$220-221; 1980-1990 lb. \$221-222; 1990-2000 lb. \$222-223; 2000-2010 lb. \$223-224; 2010-2020 lb. \$224-225; 2020-2030 lb. \$225-226; 2030-2040 lb. \$226-227; 2040-2050 lb. \$227-228; 2050-2060 lb. \$228-229; 2060-2070 lb. \$229-230; 2070-2080 lb. \$230-231; 2080-2090 lb. \$231-232; 2090-2100 lb. \$232-233; 2100-2110 lb. \$233-234; 2110-2120 lb. \$234-235; 2120-2130 lb. \$235-236; 2130-2140 lb. \$236-237; 2140-2150 lb. \$237-238; 2150-2160 lb. \$238-239; 2160-2170 lb. \$239-240; 2170-2180 lb. \$240-241; 2180-2190 lb. \$241-242; 2190-2200 lb. \$242-243; 2200-2210 lb. \$243-244; 2210-2220 lb. \$244-245; 2220-2230 lb. \$245-246; 2230-2240 lb. \$246-247; 2240-2250 lb. \$247-248; 2250-2260 lb. \$248-249; 2260-2270 lb. \$249-250; 2270-2280 lb. \$250-251; 2280-2290 lb. \$251-252; 2290-2300 lb. \$252-253; 2300-2310 lb. \$253-254; 2310-2320 lb. \$254-255; 2320-2330 lb. \$255-256; 2330-2340 lb. \$256-257; 2340-2350 lb. \$257-258; 2350-2360 lb. \$258-259; 2360-2370 lb. \$259-260; 2370-2380 lb. \$260-261; 2380-2390 lb. \$261-262; 2390-2400 lb. \$262-263; 2400-2410 lb. \$263-264; 2410-2420 lb. \$264-265; 2420-2430 lb. \$265-266; 2430-2440 lb. \$266-267; 2440-2450 lb. \$267-268; 2450-2460 lb. \$268-269; 2460-2470 lb. \$269-270; 2470-2480 lb. \$270-271; 2480-2490 lb. \$271-272; 2490-2500 lb. \$272-273; 2500-2510 lb. \$273-274; 2510-2520 lb. \$274-275; 2520-2530 lb. \$275-276; 2530-2540 lb. \$276-277; 2540-2550 lb. \$277-278; 2550-2560 lb. \$278-279; 2560-2570 lb. \$279-280; 2570-2580 lb. \$280-281; 2580-2590 lb. \$281-282; 2590-2600 lb. \$282-283; 2600-2610 lb. \$283-284; 2610-2620 lb. \$284-285; 2620-2630 lb. \$285-286; 2630-2640 lb. \$286-287; 2640-2650 lb. \$287-288; 2650-2660 lb. \$288-289; 2660-2670 lb. \$289-290; 2670-2680 lb. \$290-291; 2680-2690 lb. \$291-292; 2690-2700 lb. \$292-293; 2700-2710 lb. \$293-294; 2710-2720 lb. \$294-295; 2720-2730 lb. \$295-296; 2730-2740 lb. \$296-297; 2740-2750 lb. \$297-298; 2750-2760 lb. \$298-299; 2760-2770 lb. \$299-300; 2770-2780 lb. \$300-301; 2780-2790 lb. \$301-302; 2790-2800 lb. \$302-303; 2800-2810 lb. \$303-304; 2810-2820 lb. \$304-305; 2820-2830 lb. \$305-306; 2830-2840 lb. \$306-307; 2840-2850 lb. \$307-308; 2850-2860 lb. \$308-309; 2860-2870 lb. \$309-310; 2870-2880 lb. \$310-311; 2880-2890 lb. \$311-312; 2890-2900 lb. \$312-313; 2900-2910 lb. \$313-314; 2910-2920 lb. \$314-315; 2920-2930 lb. \$315-316; 2930-2940 lb. \$316-317; 2940-2950 lb. \$317-318; 2950-2960 lb. \$318-319; 2960-2970 lb. \$319-320; 2970-2980 lb. \$320-321; 2980-2990 lb. \$321-322; 2990-3000 lb. \$322-323; 3000-3010 lb. \$323-324; 3010-3020 lb. \$324-325; 3020-3030 lb. \$325-326; 3030-3040 lb. \$326-327; 3040-3050 lb. \$327-328; 3050-3060 lb. \$328-329; 3060-3070 lb. \$329-330; 3070-3080 lb. \$330-331; 3080-3090 lb. \$331-332; 3090-3100 lb. \$332-333; 3100-3110 lb. \$333-334; 3110-3120 lb. \$334-335; 3120-3130 lb. \$335-336; 3130-3140 lb. \$336-337; 3140-3150 lb. \$337-338; 3150-3160 lb. \$338-339; 3160-3170 lb. \$339-340; 3170-3180 lb. \$340-341; 3180-3190 lb. \$341-342; 3190-3200 lb. \$342-343; 3200-3210 lb. \$343-344; 3210-3220 lb. \$344-345; 3220-3230 lb. \$345-346; 3230-3240 lb. \$346-347; 3240-3250 lb. \$347-348; 3250-3260 lb. \$348-349; 3260-3270 lb. \$349-350; 3270-3280 lb. \$350-351; 3280-3290 lb. \$351-352; 3290-3300 lb. \$352-353; 3300-3310 lb. \$353-354; 3310-3320 lb. \$354-355; 3320-3330 lb. \$355-356; 3330-3340 lb. \$356-357; 3340-3350 lb. \$357-358; 3350-3360 lb. \$358-359; 3360-3370 lb. \$359-360; 3370-3380 lb. \$360-361; 3380-3390 lb. \$361-362; 3390-3400 lb. \$362-363; 3400-3410 lb. \$363-364; 3410-3420 lb. \$364-365; 3420-3430 lb. \$365-366; 3430-3440 lb. \$366-367; 3440-3450 lb. \$367-368; 3450-3460 lb. \$368-369; 3460-3470 lb. \$369-370; 3470-3480 lb. \$370-371; 3480-3490 lb. \$371-372; 3490-3500 lb. \$372-373; 3500-3510 lb. \$373-374; 3510-3520 lb. \$374-375; 3520-3530 lb. \$375-376; 3530-3540 lb. \$376-377; 3540-3550 lb. \$377-378; 3550-3560 lb. \$378-379; 3560-3570 lb. \$379-380; 3570-3580 lb. \$380-381; 3580-3590 lb. \$381-382; 3590-3600 lb. \$382-383; 3600-3610 lb. \$383-384; 3610-3620 lb. \$384-385; 3620-3630 lb. \$385-386; 3630-3640 lb. \$386-387; 3640-3650 lb. \$387-388; 3650-3660 lb. \$388-389; 3660-3670 lb. \$389-390; 3670-3680 lb. \$390-391; 3680-3690 lb. \$391-392; 3690-3700 lb. \$392-393; 3700-3710 lb. \$393-394; 3710-3720 lb. \$394-395; 3720-3730 lb. \$395-396; 3730-3740 lb. \$396-397; 3740-3750 lb. \$397-398; 3750-3760 lb. \$398-399; 3760-3770 lb. \$399-400; 3770-3780 lb. \$400-401; 3780-3790 lb. \$401-402; 3790-3800 lb. \$402-403; 3800-3810 lb. \$403-404; 3810-3820 lb. \$404-405; 3820-3830 lb. \$405-406; 3830-3840 lb. \$406-407; 3840-3850 lb. \$407-408; 3850-3860 lb. \$408-409; 3860-3870 lb. \$409-410; 3870-3880 lb. \$410-411; 3880-3890 lb. \$411-412; 3890-3900 lb. \$412-413; 3900-3910 lb. \$413-414; 3910-3920 lb. \$414-415; 3920-3930 lb. \$415-416; 3930-3940 lb. \$416-417; 3940-3950 lb. \$417-418; 3950-3960 lb. \$418-419; 3960-3970 lb. \$419-420; 3970-3980 lb. \$420-421; 3980-3990 lb. \$421-422; 3990-4000 lb. \$422-423; 4000-4010 lb. \$423-424; 4010-4020 lb. \$424-425; 4020-4030 lb. \$425-426; 4030-4040 lb. \$426-427; 4040-4050 lb. \$427-428; 4050-4060 lb. \$428-429; 4060-4070 lb. \$429-430; 4070-4080 lb. \$430-431; 4080-4090 lb. \$431-432; 4090-4100 lb. \$432-433; 4100-4110 lb. \$433-434; 4110-4120 lb. \$434-435; 4120-4130 lb. \$435-436; 4130-4140 lb. \$436-437; 4140-4150 lb. \$437-438; 4150-4160 lb. \$438-439; 4160-4170 lb. \$439-440; 4170-4180 lb. \$440-441; 4180-4190 lb. \$441-442; 4190-4200 lb. \$442-443; 4200-4210 lb. \$443-444; 4210-4220 lb. \$444-445; 4220-4230 lb. \$445-446; 4230-4240 lb. \$446-447; 4240-4250 lb. \$447-448; 4250-4260 lb. \$448-449; 4260-4270 lb. \$449-450; 4270-4280 lb. \$450-451; 4280-4290 lb. \$451-452; 4290-4300 lb. \$452-453; 4300-4310 lb. \$453-454; 4310-4320 lb. \$454-455; 4320-4330 lb. \$455-456; 4330-4340 lb. \$456-457; 4340-4350 lb. \$457-458; 4350-4360 lb. \$458-459; 4360-4370 lb. \$459-460; 4370-4380 lb. \$460-461; 4380-4390 lb. \$461-462; 4390-4400 lb. \$462-463; 4400-4410 lb. \$463-464; 4410-4420 lb. \$464-465; 4420-4430 lb. \$465-466; 4430-4440 lb. \$466-467; 4440-4450 lb. \$467-468; 4450-4460 lb. \$468-469; 4460-4470 lb. \$469-470; 4470-4480 lb. \$470-471; 4480-4490 lb. \$471-472; 4490-4500 lb. \$472-473; 4500-4510 lb. \$473-474; 4510-4520 lb. \$474-475; 4520-4530 lb. \$475-476; 4530-4540 lb. \$476-477; 4540-4550 lb. \$477-478; 4550-4560 lb. \$478-479; 4560-4570 lb. \$479-48







